

Missouri Department of Transportation

Code: R01384

Title: Bridge Inspection Crew Supervisor

Exemption Status: Non-Exempt

Grade: 12

Job Description

Effective Date	03-01-2006
Replaces (Effective Date)	12-01-2005
General Summary	The bridge inspection crew supervisor supervises and directs crews, and performs visual, in-depth and fracture-critical inspections of the bridges in the state highway system. Responsibilities are performed under general supervision.
Minimum/Required Qualifications	High School Diploma or GED. Valid Class A Commercial Driver's License with no air brake restriction Employee will be required to pass a cardiopulmonary function test yearly, attend training on the use of respirators, and pass a respirator fit test every six months. Requires completion of National Highway Institute (NHI) Courses 130055A, "Safety Inspection of In-Service Bridges" and 130054A, "Engineering Concepts for Bridge Inspectors" within one year of start date in job. Four years of experience in bridge maintenance or special maintenance responsibilities, preferably including two years of bridge inspection.
Supervisory Responsibilities	Full Supervision
Location	Central Office - Maintenance
Special Working Conditions/Job Characteristics	Job requires continuous, overnight, statewide travel. Job requires heavy physical exertion and effort. Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Examples of Work

- (1) Schedules and assigns work related to in-depth inspection of bridges, including non-destructive tests such as dye penetrate, magnetic particle, and ultrasonic; identifies cracks, fractures, section loss, bridge damage caused by collision, and bridge components needing repair; reports severely deteriorated bridges to supervisor.
- (2) Trains and leads crew in utilizing under-bridge inspection equipment to visually inspect bridges and performs non-destructive tests; operates under bridge inspection snoopers and power washers; operates vehicles to transport crew, equipment, and materials to job site; generally rotates throughout state.

- (3) Directs crew in cleaning bridge components, clearing debris from around bridge, applying protective coatings to exposed steel and concrete surfaces, repairing or replacing bearings and expansion joints, performing minor bridge repairs, and placing signs.
- (4) Directs the set-up of traffic control devices such as signs, flags, cones, and arrow boards; directs flagging responsibilities for traffic through work zones.
- (5) Directs training of safety, equipment operations, and inspection procedures; reviews work progress of crew.
- (6) Prepares daily reports on inspection activities; photographs bridge components in poor condition.
- (7) Assigns and supervises routine cleaning and preventative maintenance of vehicles and equipment; contacts service representatives for repairs as needed.
- (8) Prepares reports on equipment usage, material usage inventories, and daily activities and inspections, including photographs on inspection findings.
- (9) Prepares estimates of material needs; arranges for personnel and equipment needs.
- (10) Evaluates employee performance; may make recommendations on employment, promotion, transfer, disciplinary action, or discharge.
- (11) May assist bridge repair or bridge painting crew as assigned.
- (12) May assist routine maintenance crews with snow removal activities.
- (13) Performs supervisory responsibilities in a manner consistent with the department's Affirmative Action Program.
- (14) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.